# Forensic and Investigative Sciences - BS, Science Emphasis

## Program Requirements

### First Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>AGLS 101 or FIVS 101</td>
<td>Modern Agricultural Systems and Renewable Natural Resources or Introduction to Academic Success in Forensic and Investigative Sciences</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>BIOL 111</td>
<td>Introductory Biology I</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CHEM 119</td>
<td>Fundamentals of Chemistry I</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>FIVS 205</td>
<td>Introduction to Forensic and Investigative Sciences</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH 140</td>
<td>Mathematics for Business and Social Sciences</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Semester Credit Hours</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Spring</td>
<td>BIOL 112</td>
<td>Introductory Biology II</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CHEM 120</td>
<td>Fundamentals of Chemistry II</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MATH 142</td>
<td>Business Calculus</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Communication <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">link</a></td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Semester Credit Hours</td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

### Second Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>CHEM 227 &amp; CHEM 237</td>
<td>Organic Chemistry I and Organic Chemistry Laboratory</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PHYS 201</td>
<td>College Physics</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>American history <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">link</a></td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Communication <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">link</a></td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Semester Credit Hours</td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>Spring</td>
<td>CHEM 228 &amp; CHEM 238</td>
<td>Organic Chemistry II and Organic Chemistry Laboratory</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PHYS 202</td>
<td>College Physics</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>American history <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">link</a></td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Language, philosophy and culture <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">link</a></td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Semester Credit Hours</td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

### Third Year

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BICH 410</td>
<td>Comprehensive Biochemistry I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BICH 412</td>
<td>Biochemistry Laboratory I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CHEM 316</td>
<td>Quantitative Analysis</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CHEM 318</td>
<td>Quantitative Analysis Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>FIVS 308</td>
<td>Forensic Implications of Inheritance</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FIVS 482</td>
<td>Occupational and Professional Development</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BICH 411</td>
<td>Comprehensive Biochemistry II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FIVS 422</td>
<td>Crime Scene Investigation</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>FIVS 431/ENTO 431</td>
<td>The Science of Forensic Entomology and Applied Forensic Entomology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FIVS 481</td>
<td>Seminar</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Creative arts <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">link</a></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Government/Political science <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">link</a></td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

#### Fourth Year

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIVS 316</td>
<td>Biotechnology and Forensics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FIVS 401/SCSC 401</td>
<td>Forensic Soil Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FIVS 484 or FIVS 491</td>
<td>Professional Internship or Research</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Government/Political science <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">link</a></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Directed elective</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIVS 415</td>
<td>Practice and Principles of Science and Law</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FIVS 435</td>
<td>Case Studies in Problem Solving</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STAT 302</td>
<td>Statistical Methods</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Social and behavioral sciences <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences">link</a></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>General elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

#### Semester Credit Hours

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>16</td>
</tr>
<tr>
<td>Spring</td>
<td>16</td>
</tr>
<tr>
<td>Fall</td>
<td>16</td>
</tr>
<tr>
<td>Spring</td>
<td>15</td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td>120</td>
</tr>
</tbody>
</table>

1. Students must choose directed electives in consultation with the student’s advisor based on career and educational goals and from the current list of approved list published by the department. Select from the following: ANSC 326/FSTC 326, ANTH 225, ANTH 425, ANTH 427; BIOL 213, BIOL 319, BIOL 320, BIOL 351, BIOL 413, BIOL 430, BIOL 454; CHEM 318, CHEM 325, CHEM 326, CHEM 327, CHEM 328, CHEM 362,
CHEM 415, CHEM 434; ENTO 403, ENTO 423, ENTO 428, ENTO 429; FIVS 289; FIVS 421, FIVS 489; GENE 412, GENE 420; PHYS 221, PBSI 305, PBSI 306, PBSI 371; SCSC 301, SOCI 304; VIBS 305, VTPB 405, VTPP 425.

2 This course fulfills a writing requirement. See Requirement for a Baccalaureate Degree (http://catalog.tamu.edu/undergraduate/general-information/degree-information/#requirementsforabaccalaureatedegreetext) section.

The Forensic and Investigative Sciences program requires students to earn a grade of C or better in all courses within the program curriculum.

University Graduation Requirements:

- Foreign Language (two years of the same language in high school OR one year/two semester sequence in college)
- Writing Intensive courses (two courses designated W in major or one W and one C course in major)
- International and Cultural Diversity (http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/) courses (three credit hours)
- Cultural Discourse (http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/) course (three credit hours)